



CITY OF GREENVILLE

"Danish Festival City"

*411 South Lafayette Street
Greenville, Michigan 48838*

*Phone: (616)754-5645 Fax: (616)754-6320
infocity@greenvillemi.org*

NOTICE TO BIDDERS

WEST COFFREN STREET FORCE MAIN

The City of Greenville will receive sealed bids for the installation of approximately 650 feet of 1½-inch sewer force main by horizontal directional drilling (HDD) methods on W. Coffren Street in Greenville, Michigan. An additive alternate bid will be included for approximately 600 feet of 6-inch PVCO water main. Bids will be received on Tuesday, January 9, 2018 at 2:00 p.m. in the City Hall Conference Room. All bids will be publicly opened and read aloud at that time.

Specifications and information for bidders may be obtained at the City Clerk's Office at Greenville City Hall, 411 S. Lafayette, Greenville, Michigan 48838 or on-line at <http://greenvillemi.org/bids-rfps/>.

NORICE T. RASMUSSEN
Clerk-Treasurer

**SPECIFICATIONS
FOR
WEST COFFREN STREET FORCE MAIN**

The City of Greenville will receive sealed bids for the installation of approximately 650 feet of 1½-inch sewer force main by horizontal directional drilling (HDD) methods on W. Coffren Street in Greenville, Michigan. An additive alternate bid will be included for approximately 600 feet of 6-inch PVCO water main. Bids will be received on Tuesday, January 9, 2018 at 2:00 p.m. in the City Hall Conference Room. All bids will be publicly opened and read aloud at that time.

INSTRUCTIONS TO BIDDERS

SCOPE OF WORK: West Coffren Street is a low-traffic volume dead-end street running east and west between Lincoln Street and Irving Street in the City of Greenville. There are 7 homes on the north side of the road that are all have private septic systems. The south side is vacant. Two homes were relocated on the west end of the Project by Habitat for Humanity that are proposed to be served by individual grinder pumps. The purpose of this Project is to install the outlet force main for these two homes, under Coffren Street to a manhole in Irving Street with no other connections by a horizontal directional drilling method. There is room on the west end to set up without need for traffic control. The east terminus will be in an intersection and access will need to be maintained. Traffic control items will be coordinated with the City of Greenville at no cost to the Contractor.

The City of Greenville has not previously had experience with HDD methods and is also interested in the cost to upgrade the water main in West Coffren Street at the same time. Therefore, this Bid will include an Additive Alternate item for water main installation for comparison to traditional methods performed by the City's Department of Public Services Department. If the cost is found to be advantageous to the City, this item may be added to the contract.

BIDDER'S INVESTIGATION: Prior to submission of the bid, all bidders shall make, and shall be deemed to have made a careful examination of the site, the Scope of Work, and the specifications included herewith. They shall have become informed as to the location and nature of the proposed work, general existing conditions, and all other matters that may affect the cost and the time of completion of the contract.

WORKMANSHIP: All construction shall be completed in a first-class workmanlike manner. The City will perform random inspections of the site, and the contractor will guarantee all materials and workmanship for a period of one (1) year.

SUPERVISION: The contractor shall have in charge of the work at all times during construction, a thoroughly competent supervisor. Anyone not deemed capable by the Owner shall be replaced immediately upon request by someone who is satisfactory.

Instructions to Bidders

LABOR, MATERIALS & EQUIPMENT: The contractor shall furnish all labor, materials, tools, scaffolds, and other equipment necessary to properly complete the work according to the specifications, as well as any safety devices the contractor deems necessary for safe operations, or as required by law.

INSURANCE: The contractor shall not commence, nor allow a sub-contractor to commence, work under this contract until he has obtained all insurance required under this heading and such insurance has been approved by the owner.

1. Workmen's Compensation Insurance as required by Michigan Workmen's Compensation Laws.
2. Contractor's Public Liability Insurance shall be furnished for \$25,000 limits for injuries to any one person and \$50,000 for any one accident.
3. Contractor's Property Damage Insurance shall be furnished for \$5,000 limits for damages as a result of any one accident and \$10,000 limits as an aggregate.

All policies required shall be written by a company licensed to do business in the State of Michigan. The City shall be named as an additional named insured on all liability policies.

The Contractor shall notify the City immediately of any damages in the project site, whether or not the contractor is liable.

MEASUREMENT & PAYMENT: The Engineer will approve satisfactory work and make payment on the tenth day of the following month. Payment will be withheld for any unsatisfactory work.

BOND: The Contractor shall provide a cash or indemnity bond in the sum of \$1,000 to hold said City harmless from all loss, injury or damage to streets and underground utilities.

EQUIPMENT: The Contractor shall furnish all equipment required to perform the work in the attached specifications and any safety devices the contractor feels necessary for safe operations, or as required by law.

LICENSING & PERMITS: The contractor shall comply with all local, state and federal regulations and statutes.

CONTRACT TIME: The Contractor may begin operations, as weather permits, any time after the Notice to Proceed is issued. It is anticipated that the Greenville City Council will approve the lowest qualified bid at their January 16, 2018 regular meeting and that a Notice to Proceed will be issued upon receipt of the agreement, insurance and bond. All work should be complete by **April 13, 2018**.

LIQUIDATED DAMAGES: There are no liquidated damages applicable to this Project.

EXTENSIONS OF TIME: If construction days are lost through conditions beyond the control of the

Instructions to Bidders
West Coffren Street Force Main
Tuesday, January 9, 2018, 2:00 p.m.
Page 3

Contractor, he shall immediately request an extension of time for the contract, in writing. The request must be answered within 5 days of the request.

PROPOSALS: All bids must be submitted on the attached bid form (pages 4, 5 and 6); filled in and signed; and received in the Office of the City Clerk at City Hall, 411 S. Lafayette Street, Greenville, Michigan 48838, on or before **2:00 p.m., Tuesday, January 9, 2018.**

BID ENVELOPE LABELING: Please mark "FORCE MAIN" on the outside of the envelope and submit to the City Clerk's Office prior to the bid opening.

RIGHTS RESERVED BY THE OWNER: The City of Greenville reserves the right to accept or reject any or all bids. The competency and responsibility of bidders will be considered in awarding contracts. The Owner does not obligate himself to accept the lowest or any other bid. The Owner reserves the right to waive any informality in any or all bids. The City of Greenville reserves the right to increase or decrease quantities of bid items without additional compensation.

BID FORM

Proposal of _____ (hereinafter called "BIDDER"), organized and existing under the laws of the State of _____ doing business as _____.*

To the City of Greenville (hereinafter called "OWNER").

In compliance with the Advertisement for Bids, BIDDER hereby proposes to perform all WORK for construction of the WEST COFFREN STREET FORCE MAIN PROJECT in strict accordance with the CONTRACT DOCUMENTS, within the time set forth therein, and at the prices stated below.

By submission of this BID, each BIDDER certifies, and in the case of a joint BID each party thereto certifies as to his own organization, that this BID has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this BID with any other BIDDER or with any competitor.

BIDDER hereby agrees to commence WORK under this contract on or before a date to be specified in the NOTICE TO PROCEED and to have the PROJECT complete by **April 13, 2018.**

BIDDER acknowledges receipt of the following ADDENDUM:

The following addenda have been received, are hereby acknowledged, and their execution is included in the above proposal amount:

Addendum No. _____ Dated _____ Addendum No. _____ Dated _____
Addendum No. _____ Dated _____ Addendum No. _____ Dated _____

*Insert "a corporation", "a partnership", or "an individual" as applicable.

CERTIFICATION

By submission of this bid, each bidder certifies, and, in the case of a joint bid, each party certifies as to his/her own organization, that this bid has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this bid with any other bidder or with any competitor.

Further, each bidder also certifies that he/she has examined all sections of the contract documents and the location of the work described herein and is fully informed as to the nature of the work and the conditions relating to its performance.

Bidder understands that the quantities shown are approximate only and are subject to either increase or decrease. Furthermore, the bidder understands that there may be additions or deductions to the items of work. Price adjustments based on added or deleted quantities will be based on the unit prices as stated herein.

The bidder hereby agrees to commence the WORK under this contract as weather permits after the date of the NOTICE TO PROCEED, and to have the Project complete not later than **April 13, 2018**, unless the period of completion is extended by mutual agreement.

The bidder shall include and shall be deemed to have included, in his/her bid, all Michigan sales and use taxes currently imposed by legislative enactment and as administered by the Michigan Department of Revenue on the bid date.

The undersigned further agrees to so such extra work as may be authorized, in writing, by the Owner, prices for which are not given in this proposal. Compensation shall be made on the basis agreed upon, in writing, before such work is begun.

The bidder shall base bids on the materials or products specified or shown on the drawings.

All WORK described in the contract documents and required for completion of the project shall be considered to be incidental unless designated as a pay item on the Bid Form. Pay items shall not be used for any components installed for the convenience/or advantage of the contractor regardless of the fact that the type of component is described on the bid sheet.

**BID FORM
WEST COFFREN STREET FORCE MAIN**

BASE BID						
Line No.	Item ID	Description	Units	Approx Qty	Unit Price	Bid Amount
1	1500001	Mobilization	LSUM	1		
2	4027001	Sanitary Sewer, 1½-inch, HDD	Ft	650		
TOTAL BASE BID						
ADDITIVE ALTERNATE						
Line No.	Item ID	Description	Units	Approx Qty	Unit Price	Bid Amount
3	8237001	Water Main, 6-inch, HDD	Ft	600		

COMPANY NAME: _____

ADDRESS: _____

TELEPHONE: _____ FAX: _____ EMAIL: _____

DATED: _____ SIGNATURE: _____ TITLE: _____

RIGHTS RESERVED BY THE OWNER: The City of Greenville reserves the right to accept or reject any or all bids. The competency and responsibility of bidders will be considered in awarding contracts. The Owner does not obligate himself to accept the lowest or any other bid. The Owner reserves the right to waive any informality in any or all bids. The City of Greenville reserves the right to increase or decrease quantities of bid items without additional compensation.

AGREEMENT

THIS AGREEMENT, made this ___ day of _____, by and between **the City of Greenville**, hereinafter called “OWNER” and _____ of _____ doing business as (an individual), or (a partnership), or (a corporation) hereinafter called “CONTRACTOR”.

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned:

1. The CONTRACTOR will commence and complete the construction of

WEST COFFREN STREET FORCE MAIN

2. The CONTRACTOR will furnish all of the material, supplies, tools, equipment, labor and other services necessary for the construction and completion of the PROJECT described herein.

3. The CONTRACTOR will commence the work required by the CONTRACT DOCUMENTS after the date of the NOTICE TO PROCEED, weather permitting and will have the Project complete the same by **April 13, 2018** unless the period for completion is extended otherwise by the CONTRACT DOCUMENTS.

4. The CONTRACTOR agrees to perform all of the WORK described in the CONTRACT DOCUMENTS and comply with the terms therein for the sum of \$_____, or as shown in the BID schedule.

5. The term “CONTRACT DOCUMENTS” means and includes the following:

- A. Advertisement For BIDS
- B. Information For BIDDERS
- C. BID
- D. Agreement
- E. NOTICE OF AWARD
- F. NOTICE TO PROCEED
- G. CHANGE ORDERS

H. DRAWINGS prepared and issued by the City of Greenville Engineering Department, dated December 5, 2017, consisting of 1 sheet.

I. SPECIFICATION prepared or issued by the City of Greenville Engineering Department.

J. ADDENDA:

No. _____, dated _____.

No. _____, dated _____.

No. _____, dated _____.

No. _____, dated _____.

6. The OWNER will pay to the CONTRACTOR in the manner and at such times as set forth in the General Conditions such amounts as required by the CONTRACT DOCUMENTS.

7. This Agreement shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement in two (2) copies each of which shall be deemed an original on the date first above written.

OWNER:

City of Greenville

BY: _____

Name: George M. Bosanic

Title: City Manager

(SEAL)

ATTEST:

Name: Douglas W. Hinken

Title: City Engineer

CONTRACTOR:

BY: _____

Name: _____

Address: _____

(SEAL)

ATTEST:

Name: _____

Title: _____

CITY OF GREENVILLE
SPECIAL PROVISION
FOR
HORIZONTAL DIRECTIONAL DRILLING (HDD)

LOCAL:DES:DWH

1 of 2

11/30/17

1. Description. This section describes the HORIZONTAL DIRECTIONAL DRILLING (HDD) for a small diameter force main sewer and possibly a 6-inch water main. The Contractor will be required to horizontally directional drill a pilot hole and pull the pipe behind a reamer, install the pipeline to plan grade and remove sediments from the cutting slurry prior to release to the ditch system. The Contractor is to provide all materials, equipment and other items required to complete the supply and assembly of the horizontally drilled pipe, whether specifically described or implied.

2. Materials. The Contractor shall furnish all materials specified and shall provide material certification from the pipe supplier for the pipe along with source and composition of the slurry additives.

- A. SANITARY SEWER PIPE - The sanitary sewer shall be 1-½ inch pipe meeting the requirements of ASTM F876 “Standard Specification for Crosslinked Polyethylene (PEX) Tubing, ASTM D3035-15 “Standard Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter” or ASTM D2241-15 “Standard Specification for Poly(Vinyl Chloride) (PVC) Pressure-Rated Pipe (SDR Series) with a minimum DR corresponding to a pressure class of 200 psi.
- B. SANITARY SEWER FITTINGS – Butt Fusion joints to be done by the Contractor. Bends will be provided and installed separately by Owner.
- C. WATER MAIN PIPE – Water main will be an additive alternate for this project. Pipe shall be 6-inch PVC Pressure Pipe meeting the requirements of AWWA 909-16 “Molecularly Oriented Polyvinyl Chloride (PVC) Pressure Pipe, 4 in. (100mm) and Larger” with a minimum Pressure Class of 235 psi and outside diameter conforming to Ductile Iron Outside Diameter (DIOD)
- D. WATER MAIN FITTINGS – Butt Fusion joints to be done by the Contractor. Other fittings and connections will be provided and installed separately by Owner.

3. Installation methods. The installation of the HDD sanitary sewer pipe shall be in accordance with methods outlined in ASTM F1962-11 “Standard Guide for Use of Maxi-Horizontal Directional Drilling for Placement of Polyethylene Pipe or Conduit Under Obstacles, Including River Crossings” or ASTM equivalent for other materials.

There is access on both ends of the Project to provide 30 feet of clearance to the beginning and end points of the bore, proceeding at the alignment shown on the plans with a 5-½ depth targeted for both utilities.

Soils in the area are typically sand or loamy sand. Actual soils encountered may vary. Groundwater is not expected to be encountered in this area.

Roller stands shall be provided as well as lifting equipment capable of moving the string into the drill hole without dragging the pipe on the ground. Pull back of the pipe shall proceed in a continuous manner through the bore hole.

The Contractor shall be sufficiently experienced to ensure protection of the pipe from excessive forces. A weak link device and swivel shall be used behind the reamer to further protect the pipe from excessive tensile and torsional forces.

A record sheet or log shall be kept by the contractor and will be his responsibility to maintain and update progress and variations in direction, both horizontally and vertically, of the pilot head during the initial drilling.

All excess drilling fluids from the HDD operation shall be directed to a filter bag, to be supplied by the Contractor, of sufficient size to prevent overflowing. Discharge from the filter bag can be released into the ditch on the south side of Coffren Street.

Should soil conditions, equipment failure, material failure or obstructions prevent completion of the drilling operations, the remainder of the pipe shall be laid using conventional open cut methods and paid for accordingly.

Sound joints shall be made in accordance with industry standards for the pipe material and tested in accordance with ASTM F2164-13 “Standard Practice for Field Leak Testing of Polyethylene (PE) and Crosslinked Polyethylene (PEX) Pressure Piping Systems Using Hydrostatic Pressure” or ASTM equivalent for PVC. Leaking joints shall be dug up and repaired at no additional cost.

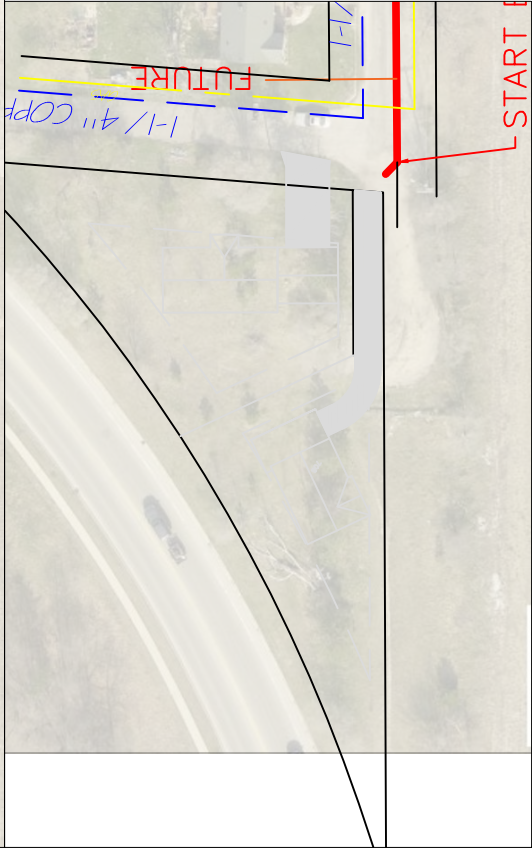
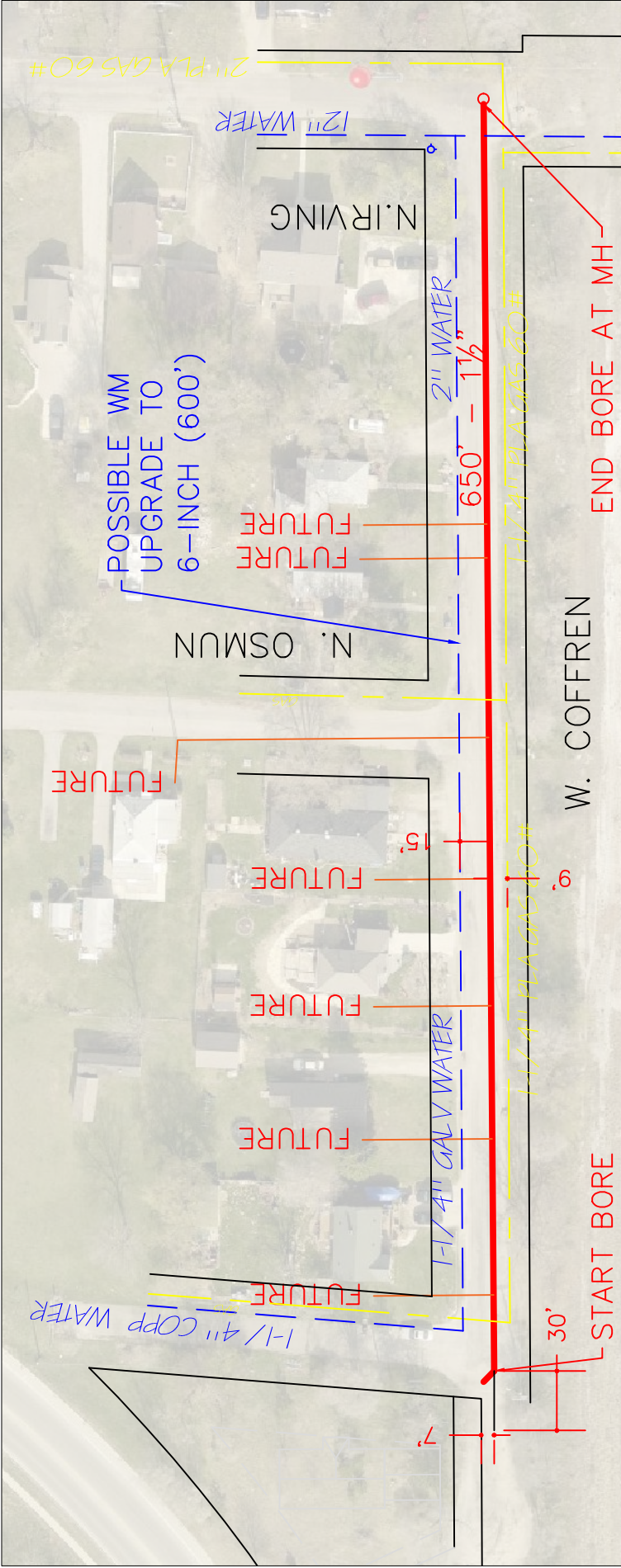
A 12 gauge plastic coated copper locator wire shall be attached to the pipe during the pull-back operation for the entire length of the pipe. An excess of 10-feet shall be left at the manhole end and an excess of 50-feet shall be left at the west end of the bore. The City of Greenville will be responsible for attachments at either end. Splices shall be made to ensure electrical continuity and be wrapped so as to be completely moisture-proof.

4. Measurement and Payment. The completed components as measured for **HORIZONTAL DIRECTIONAL DRILLING (HDD)** shall be paid for at the contract unit prices for the following contract items (pay items).

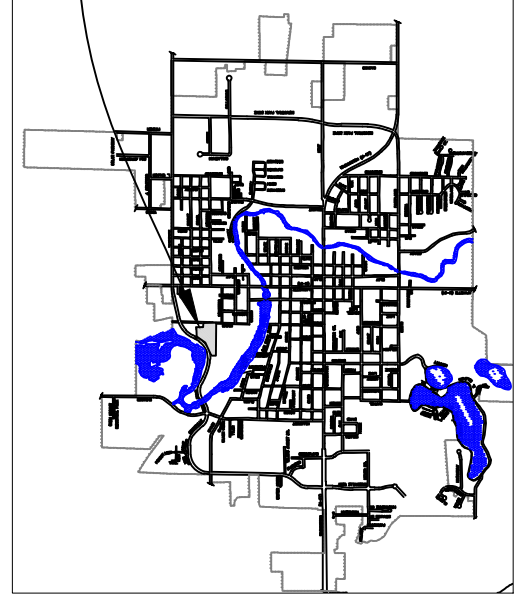
Pay item	Pay Unit
Sanitary Sewer, 1-½ inch, HDD	Ft
Water Main, 6-inch HDD	Ft

Sanitary sewer, 1-½ inch HDD and Water Main, 6-inch HDD shall be measured horizontally between the ends of the pipe as pulled through the drilled path and paid for by lineal foot. Payment will be complete for materials, equipment, and all other items needed for the furnishing of a complete, installed and tested pipeline placed through horizontal directional drilling methods. These items include, but are not limited to: excavation of access pits and installation of bracing and shoring, pipe, end caps, disposal of drilling fluids and all other material necessary to complete the installation of sanitary sewer.

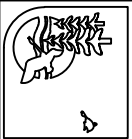
END OF SECTION



PROJECT
LOCATION



W COFFREN STREET FORCE MAIN

 <p>CITY OF GREENVILLE ENGINEERING DEPARTMENT 411 S. LAFAYETTE, GREENVILLE, MI 48838 TELEPHONE (616) 754-5645</p>	HORIZONTAL SCALE: None	DRAWN BY: dwh
	VERTICAL SCALE: None	DATE: 12/5/17
	FILE: 600 W Coffren	REVISED:
	JOB #: 401-189-800.902	SHEET 1 OF 1